

**METHOD FOR MODELING RADIOPORTS IN A WIRELESS COMMUNICATION
NETWORK DESIGN****ABSTRACT OF THE DISCLOSURE**

5 Methods for modeling costs of wireless network
infrastructure are described. More specifically, the cost
contribution models for modeling radioports are described.
Various radioport architectures include a constant channel
capacity model (48) and a constant offered load model (82).
10 Under constraints imposed by a class of dense user networks,
such as wireless metropolitan area networks, cost models are
shown to exhibit convex cost functions having minimums.
Processes for analyzing these cost models are described for
determining which radioport architecture, provides a least-cost
15 radioport cost segment to the overall network cost.